

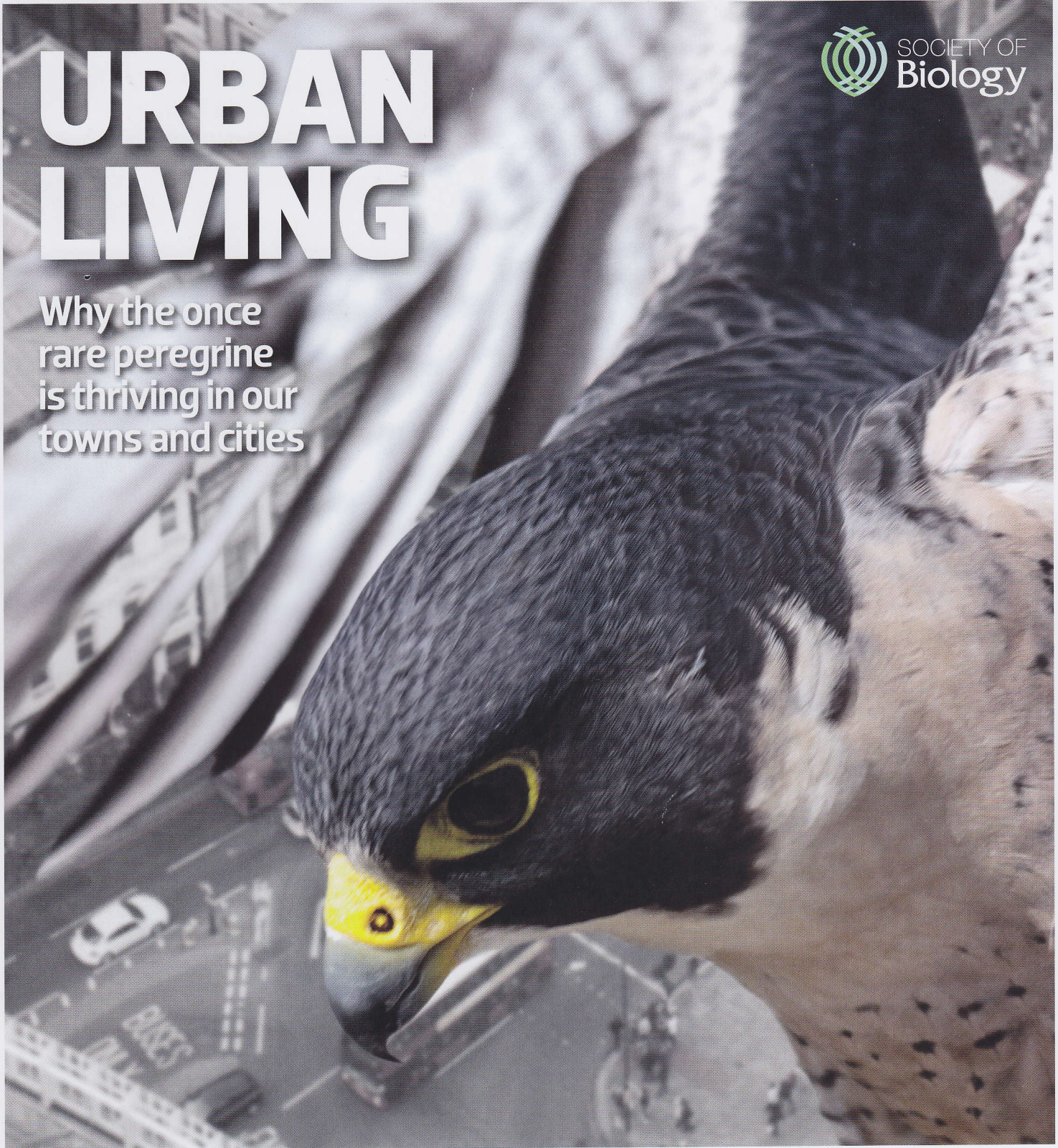
The Biologist

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URBAN LIVING

Why the once
rare peregrine
is thriving in our
towns and cities



EPIDEMIOLOGY

DEADLY PURSUIT

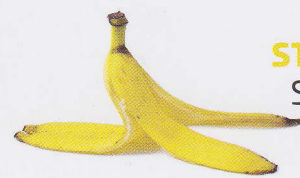
Peter Piot on
discovering Ebola



HISTORY

ROLL CALL

Blue plaques honour
eminent biologists



INTERVIEW

STAND-UP SCIENCE

Sophie Scott on the
study of laughter

Members

MEMBER PROFILES

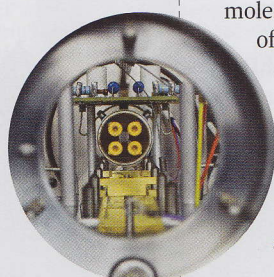
Academic ambition

Diren Beyoglu MSB

I wanted to be an academic from an early age. Pharmacy was particularly attractive because it combines physical sciences such as chemistry with biological sciences.

After studying pharmacy, I went on to do an MSc and PhD in pharmaceutical toxicology at Marmara University in Istanbul. For a decade, I conducted research into food, and environmental and occupational toxicology, mostly using genotoxicity assays. This is when I learnt the academic tools of the trade: teaching, and grant and ethics applications, as well as presenting findings at both national and international meetings.

I decided to join the Hepatology Research Group in Bern, Switzerland, which was known for both clinical and experimental research into the emerging field of metabolomics. Using mass spectrometry based analyses combined with chemometrics, it is possible, for example, to uncover biological



Mass spectrometry is an important tool in metabolomics

molecules that fluctuate as a result of genetic alterations (genetically modified mice or patients with different genotypes); disease (typically, case-control studies); or chemical exposures (drug administration).

Hopefully our findings can deliver new insights into the pathobiology of hepatobiliary diseases and produce biomarkers for early disease detection.

I wish to climb further up the learning curve of biology, which is why I have joined the Society at this time. More interactions with other biologists will greatly help with my research.

I enjoy travelling to new places and experiencing both modern and ancient cultures. In my spare time, I like to sing and to listen to music.



Lauren Borgers BIONET MEMBER

I aim to study natural sciences at university, as I want to create documentaries when I am older. I am currently studying for my GCSEs at Godolphin and Latymer School in West London, and plan to continue biology at higher level in the international baccalaureate.

I love biology because it enables us to understand the world that many people take for granted. With biology, we are able to appreciate the organisms around us and understand how they function. I would like to study reptiles and amphibians, as I think that animals such as the axolotl, with its regenerative capabilities, will be of great advantage to medicinal research.

Owning a bearded dragon is my dream, as they are so charismatic, but I have not yet persuaded my mother to let me have one. The only pets I've ever had were snails when I was younger.

I joined Bionet because it gives me access to a range of articles on topics that we would never have time to cover at school.

In my spare time, I enjoy going camping. I love exploring and I am also a corporal in the Royal Air Force Cadets.

SOCIAL NOTICES

23 February 2015

Ireland Evening Reception

An evening reception at the Royal Irish Academy in Dublin, organised especially for Society members and non-members

based in the Republic of Ireland. The evening will include short presentations, refreshments and networking. The meeting is a first step towards setting up a

Republic of Ireland branch of the Society.

Begins at 18:30
Royal Irish Academy
Academy House, 19 Dawson St,
Dublin, Ireland